



Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO038412

Supplier: GFI001-VC
GFI
180 Avenue Labrosse
Pointe Claire
QC
H9R 1A1 Canada
Phone: 514 630 4877
Fax: 514 630 4849

PO No: PO038412

PO Date: 11/20/17

Due Date: 12/11/17

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: COD

Freight Terms:

Special Comments:

E-MAILED
NOV 21 2017

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Items

Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	647.0114P	-			Clip As per Dwg 647.0100 Rev.A		Firmed	12/11/17 21	50 pcs	0 pcs	50 pcs	\$6.00/pcs 5.00	\$300.00
2	647.0115P	-			Clip As Per Dwg 647.0100 Rev. A		Firmed	12/11/17 21	50 Ea	0 Ea	50 Ea	\$6.00/Ea 5.00	\$300.00
Grand Total:													\$600.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

[Handwritten signature]

Plex 11/20/17 8:48 AM Dart.baker.diane



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.: (514) 630-4877 - FAX: (514) 630-4849

GFI est une division de Thomas & Betts Limitée / GFI is a division of Thomas & Betts Limited



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE			N° DE BON DE LIVRAISON / SHIPPING MEMO NO		PAGE
JR - DY	MO - MO	AN - YR			
11	12	17	0612044		1/1



ENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT / CUSTOMER CODE		N° DE CONTRAT / JOB NO	VOTRE N° DE COMMANDE / YOUR PURCHASE ORDER NO	EXPÉDIÉ PAR / SHIP VIA				
DART		GFI-0299	PO038412					
QUANTITÉ / QUANTITY	N° DE PIÈCE / PART NO		DESCRIPTION					
50	647.0114P		CLIP					
ITEM 1 CERTIFICATE OF CONFORMANCE REQ FAI REQ'D								
MFG. JOB# 0342061-001 QTY 50 pcs								
DUE DATE: 21 December 2017								
EXPÉDITEUR / SHIPPER								

REQU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE
CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. 2 OUR JOB NO 0342061-001 SHIPPING MEMO 0612044

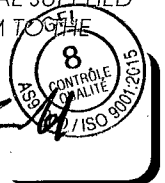
ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
<u>1</u>	<u>50 PCS</u>	<u>PO038412</u>	<u>647.0114P</u>	<u>A</u>	<u>CLIP</u>	<u>A</u>
MATERIAL		SUPPLIED BY			MAT. REL. NO.	
<u>AL 2024-T3 (AMS-QQ-A-250/4)</u>		<u>SAMUEL / KAISER ALUMINUM</u>			<u>237101B1</u>	

	PROCESS	PROCESSOR	RELEASE NOTE #
1	<u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>	<u>N/A</u>
2	<u>NO FINISH AS PER E-MAIL ON FILE</u>		
3	<u>REF. GFI MANUFACTURING JOB NUMBER 0342061-001 (50 PCS)</u>		
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 11 DECEMBER 2017

G.F.I. Q.C. REP. *Barry Ham*





LES METAUX SPECIALISES SAMUEL
21525 CLARK-GRAHAM
BAIE D'URFE, QUEBEC, CANADA
H9X 3T5
(514) 457-3399 TÉLÉC (514) 457-9393

No 004791351



PAGE 1 DE/OF 2

TRANSPORTEUR/CARRIER NAME
CASTERO R-571041-4

CAMION/TRUCK
099

NOM DE LA BRANCHE/SALES BRANCH NAME
SAMUEL & FILS & CIE LTÉE

DATE D'EXP/DATE OF SHIPMENT
11/22/17

VENDU À/SOLD TO:
3FI, DIVISION DE THOMAS & BETTS LTEE
180 LABROSSE

POINTE-CLAIRE
QC
H9R1A1

(514) 630-4877

EXPÉDIÉ À/SHIP TO: FAB: DEST
GFI INC.
180 LABROSSE

POINTE-CLAIRE
QC
H9R1A1

CA

(0201009-00001)

N° COMMANDE
N° ITEM
047732-01

DESCRIPTION ET POIDS/DESCRIPTION AND WEIGHT

#Comm du client: 90232
1 PCS 2024 T3 BARE QQA250/4

Cert/Test: AVAIL
36 LVR

.0630"x48"x120"
AMS-QQA-250/4
C OF C + MILL TESTS REQUIRED.

#Pièce AS0634814424

Description	PCS	Pd ca	Qté	#PLT	#Étiq	VendeurOrg
#Étiq mln	# levée				Etiq.orig #Coul	
	1	40.000	36	387427	4369176	017 US
					16.33 KG	
					D496999	237101B1
2142320						
Total:	1	40.000	36		16 KG	

047732-02

#Comm du client: 90232
1 PCS 2024 T3 BARE QQA250/4

Cert/Test: AVAIL
8 LVR

.0630"x48"x24"
AMS-QQA-250/4
C OF C + MILL TESTS REQUIRED.
#Pièce AS0634814424

Description	Pcs	Pd ca	Qté	#PLT	#Étiq	VendeurOrg
#Étiq mln	# levée				Etiq.orig #Coul	
	1	8.000	8	387427	4369177	017 US
					3.63 KG	
					D496999	237101B1
2142320						
Total:	1	8.000	8		4 KG	



CHARGES: PRÉPAYÉ/PREPAID
PRÉPAYÉ PAR
EXPÉDITEUR/DISPATCHER

INST. VOITURIER/DRIVER INSTRUCTIONS
VOITURIER/DRIVER

VALUED (\$2000 max unless otherwise stated)
VALUATION (Max \$2,000 unless otherwise stated)
VALUER DECLARED DE L'EXPÉDITION
DECLARED VALUE OF SHIPMENT
REÇU PAR/RECEIVED BY

SHIP TO: METAUX SPECIALISES SAMUEL QC 21525 CLARK-GRAHAM BAIE D'URFE, PQ, CA H9X 3T5
SOLD TO: SAMUEL & FILS & CIE LTEE DIVISION OF SAMUEL & SON LTD 1250 APPLEBY LINE BURLINGTON, ON, CA L7L 566

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4474876

CUSTOMER PO NUMBER: C74502-6	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 104017/6	GOVT CONTRACT NUMBER:
KAISER ORDER NO: 1239517-6	SHIP DATE: 21-AUG-2017	ALLOY: 2024	CLAD: BARE	TEMPER: T3
PRODUCT DESCRIPTION: HT Flat Sheet				
WEIGHT SHIPPED: 3411 LB	QUANTITY: 77 PCS EST.	TRUCK B/L #: 2068552	GAUGE: 0.0630 IN (1.6002 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)
			LENGTH: 144.000 IN (3657.6 MM)	

MHU 2142320: LOT 237101B1: 77 pieces; *D496999*

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP 025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504

Lot: 237101B1 Cast 495

Drop 73

Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.8 : 67.2 (461 : 463)	44.8 : 45.4 (309 : 313)	19.2 : 19.6

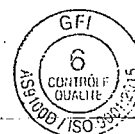
(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.06	0.19	4.6	0.60	1.4	0.00	0.14	0.02	0.01	0.01	TOT 0.02

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder





Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4474876

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.

* All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.

* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.

* has been thermally processed in compliance with AMS 2772, where applicable.

* is mercury free, within the limits of detection of ASTM E1215 (< 1ppm).

* is in compliance with RoHS 2, European Union Directive 2011/65/EU.

* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.

* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.

* is free of weld repair.

* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER





Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038412

Supplier: GFI001-VC
GFI
180 Avenue Labrosse
Pointe Claire
QC
H9R 1A1 Canada
Phone: 514 630 4877
Fax: 514 630 4849

PO No: PO038412
PO Date: 11/20/17
Due Date: 12/11/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: COD
Freight Terms:
**Special
Comments:**

Items													
Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	647.0114P	-			Clip As per Dwg 647.0100 Rev.A		Firmed	12/11/17 12/21/2017	50 pcs	0 pcs	50 pcs	\$6.00/pc 8.00	\$300.00
2	647.0115P	-			Clip As Per Dwg 647.0100 Rev. A		Firmed	12/11/17 12/21/2017	50 Ea	0 Ea	50 Ea	\$6.00/Ea 8.00	\$300.00
<div>REVIEWED By Pedro at 4:16 pm, Nov 20, 2017.</div>												Grand Total:	\$600.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 11/20/17 12:55 PM Dart.baker.diane

APPROVED

By Pedro at 4:17 pm, Nov 20, 2017



180 AVENUE LABROSSE
POINTE-CLAIRE, QC, CANADA H9R 1A1
TÉL.: (514) 630-4877 - FAX: (514) 630-4849

GFI est une division de Thomas & Betts Limitée / GFI is a division of Thomas & Betts Limited



BON DE LIVRAISON / SHIPPING MEMO

DATE DE LIVRAISON / SHIPPING DATE				N° DE BON DE LIVRAISON / SHIPPING MEMO NO	PAGE
JR	MO	AN	YR		
11	12	17		0612046	1/1

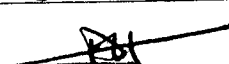



VENDU À / SOLD TO

EXPÉDIÉ À / SHIP TO

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON
K6A 1K7

CODE DE CLIENT CUSTOMER CODE		N° DE CONTRAT JOB NO	VOTRE N° DE COMMANDE YOUR PURCHASE ORDER NO	EXPÉDIÉ PAR SHIP VIA				
DART GFI-0299		0342062	PO038412					
QUANTITÉ QUANTITY	N° DE PIÈCE PART NO		DESCRIPTION					
50	647.0115P		CLIP ITEM 2 CERTIFICATE OF CONFORMANCE REQ FAI REQ'D					
MFG. JOB# <u>0342062 - 001 QTY 50 pcs</u>								
DUE DATE: <u>21 December 2017</u>								
 								
EXPÉDITEUR SHIPPER								

REÇU PAR / RECEIVED BY

DATE

TOUTES LES RÉCLAMATIONS DOIVENT ÊTRE FAITES EN DEDANS DE 5 JOURS DE LA RÉCEPTION.
ALL CLAIMS MUST BE MADE WITHIN 5 DAYS OF RECEIPT OF GOODS.

CERTIFICATE OF COMPLIANCE CERTIFICAT DE CONFORMITE



Membre de / A Member of **Thomas & Betts**

180 LABROSSE AVENUE
POINTE CLAIRE, QC
H9R 1A1

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7

CERTIFICATE NO. 2 OUR JOB NO 0342062-001 SHIPPING MEMO 0612046


ITEM	QUANTITY	PURCHASE ORDER	PART NUMBER	REV	NAME	DWG ISSUE
<u>2</u>	<u>50 PCS</u>	<u>PO38412</u>	<u>647.0115P</u>	<u>A</u>	<u>CLIP</u>	<u>A</u>

MATERIAL AL 2024-T3 (AMS-QQ-A-250/4) SUPPLIED BY SAMUEL / KAISER ALUMINUM MAT. REL. NO. 237101B1

	PROCESS	PROCESSOR	RELEASE NOTE #
1	<u>FIRST ARTICLE INSPECTION REPORT ON FILE</u>	<u>GFI</u>	<u>N/A</u>
2	<u>NO FINISH AS PER E-MAIL ON FILE</u>		
3	<u>REF. GFI MANUFACTURING JOB NUMBER 0342062-001 (50 PCS)</u>		
4			
5			
6			
7			
8			
9			

WE HEREBY CERTIFY ALL THE PARTS COVERED BY THIS CERTIFICATE HAVE BEEN MANUFACTURED FROM MATERIAL SUPPLIED ON RELEASE NOTE SHOWN ABOVE AND THAT ALL PARTS HAVE BEEN INDIVIDUALLY INSPECTED AND CONFORM TO THE DRAWINGS AND PURCHASE ORDER REFERENCED ABOVE.

DATE 11 DECEMBER 2017

G.F.I. Q.C. REP. 



LES METAUX SPECIALISES SAMUEL
21525 CLARK-GRAHAM
BAIE D'URFE, QUEBEC, CANADA
H9X 3T5

No 004791331



(514) 457-3399 TÉLÉC (514) 457-9393

PAGE 1 DE/OF 2

TRANSPORTEUR/CARRIER NAME
CASTERO R-571041-4

CAMION/TRUCK
099

NOM DE LA BRANCHE/SALES BRANCH NAME
SAMUEL & FILS & CIE LTÉE

DATE D'EXP/DATE OF SHIPMENT
11/22/17

VENDU À/SOLD TO:

3FI, DIVISION DE THOMAS & BETTS LTEE
180 LABROSSE

EXPÉDIÉ À/SHIP TO: FAB: DEST

GFI INC.
180 LABROSSE

POINTE-CLAIRE
QC
H9R1A1

(514) 630-4877

POINTE-CLAIRE
QC
H9R1A1 CA

(0201009-00001)

N° COMMANDE
N° ITEM
047732-01

DESCRIPTION ET POIDS/DESCRIPTION AND WEIGHT

#Comm du client: 90232
1 PCS 2024 T3 BARE QQA250/4

Cert/Test: AVAIL
36 LVR

.0630"x48"x120"
AMS-QQA-250/4
C OF C + MILL TESTS REQUIRED.

#Pièce AS0634814424

Description	PCS	Pd ca	Qté	#PLT	#Étiq	VendeurOrg
#Étiq mln	# levée				Etiq.orig #Coul	
	1	40.000	36	387427	4369176 017	US
					16.33 KG	
					D496999 237101B1	
2142320						
Total:	1	40.000	36		16 KG	

047732-02

#Comm du client: 90232
1 PCS 2024 T3 BARE QQA250/4

Cert/Test: AVAIL
8 LVR

.0630"x48"x24"
AMS-QQA-250/4
C OF C + MILL TESTS REQUIRED.

#Pièce AS0634814424

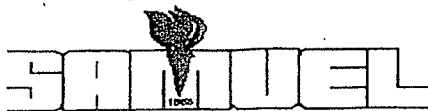
Description	Pcs	Pd ca	Qté	#PLT	#Étiq	VendeurOrg
#Étiq mln	# levée				Etiq.orig #Coul	
	1	8.000	8	387427	4369177 017	US
					3.63 KG	
					D496999 237101B1	
2142320						
Total:	1	8.000	8		4 KG	



CHARGES: PRÉPAYÉ/PREPAID
PRÉPAYÉ PAR
EXPÉDITEUR/DISPATCHER

INST. VOITURIER/DRIVER INSTRUCTIONS
VOITURIER/DRIVER

VALÉRIE (40 000 max) (moins d'avis contrôle)
VALUATION (Max \$2,000 unless otherwise stated)
VALUER DÉCLARÉE DE L'EXPÉDITEUR
DECLARED VALUE OF SHIPMENT
REÇU PAR/RECEIVED BY



LES METAUX SPECIALISES SAMUEL
21525 CLARK-GRAHAM
BAIE D'URFE, QUEBEC, CANADA
H9X 3T5
(514) 457-3399 TÉLÉC (514) 457-9393

No 004791351



PAGE 2 DE/OF 2

TRANSPORTEUR/CARRIER NAME
CASTERO R-571041-4

CAMION/TRUCK
099

NOM DE LA BRANCHE/SALES BRANCH NAME
SAMUEL & FILS & CIE LTÉE

DATE D'EXP/DATE OF SHIPMENT
11/22/17

VENDU À/SOLD TO:
GFI, DIVISION DE THOMAS & BETTS LTÉE
180 LABROSSE

EXPÉDIÉ À/SHIP TO: FAB: DEST
GFI INC.
180 LABROSSE

POINTE-CLAIRE
QC
H9R1A1

(514) 630-4877

POINTE-CLAIRE
QC
H9R1A1 CA

(0201009-00001)

N° COMMANDE
N° ITEM

DESCRIPTION ET POIDS/DESCRIPTION AND WEIGHT

Poids total:

44 LVR

Poids total:

20 KG

#Total paquets: 1

Commentaires connaissance:

CERTIFICATE OF COMPLIANCE MEETS
THE MATERIAL DETAILED ABOVE MEETS YOUR ORDER
REQUIREMENTS AND GRADE STANDARDS AS DESCRIBED
PLEASE REFER TO MILL TEST REPORT ATTACHED.
AUTHORIZED BY:

Heures récept:

7H30 AM @ 3H30 PM

Signature Date 11/22/17

Anne Rainone
Administration



CHARGES: PRÉPAYÉ/PREPAID
PRÉPAYÉ PAR
EXPÉDITEUR/DISPATCHER

INST. VOITURIER/DRIVER INSTRUCTIONS
VOITURIER/DRIVER

VALUATION (Max 5 000\$ max moins d'avis contraire)
VALUATION (Max 5 000\$ unless otherwise stated)
Valeur déclarée de l'expédition
DECLARED VALUE OF SHIPMENT
REÇU PAR/RECEIVED BY

SHIP TO: METAUX SPECIALISES SAMUEL QC 21525 CLARK-GRAHAM BAIE D'URFE, PQ, CA H9X 3T5
SOLD TO: SAMUEL & FILS & CIE LTEE DIVISION OF SAMUEL & SON LTD 1250 APPLEBY LINE BURLINGTON, ON, CA L7L 566

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number

4474876

CUSTOMER PO NUMBER: C74502-6	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 104017/6	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1239517-6	SHIP DATE: 21-AUG-2017	ALLOY: 2024	CLAD: BARE	TEMPER: T3
PRODUCT DESCRIPTION: HT Flat Sheet				
WEIGHT SHIPPED: 3411 LB	QUANTITY: 77 PCS EST.	TRUCK B/L #: 2068552	GAUGE: 0.0630 IN (1.6002 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)
			LENGTH: 144.000 IN (3657.6 MM)	

MHU 2142320: LOT 237101B1: 77 pieces;

1496999

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP 025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504

Lot: 237101B1

Cast 495

Drop 73

Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile: Temper
T3

Dir / # Tests
LT / 2 (Min:Max)

Ultimate KSI (MPA)
66.8 : 67.2
(461 : 463)

Yield KSI (MPA)
44.8 : 45.4
(309 : 313)

Elongation %
19.2 : 19.6

(ASTM E1251)

Chemistry:

Actual(wt%)

SI

FE

CU

MN

MG

CR

ZN

TI

V

ZR

OTHER

TOT

0.02

ALLOY LIMITS

2024

MIN(wt%)

MAX(wt%)

SI

FE

CU

MN

MG

CR

ZN

TI

V

ZR

OTHER

MAX

0.05

Aluminum Remainder





Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4474876

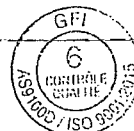
CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- * All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMMENWAY, TECHNICAL PROCESS MANAGER





Dart Hawkesbury
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER PO038412

Supplier: GF1001-VC
GFI
180 Avenue Labrosse
Pointe Claire
QC
H9R 1A1 Canada
Phone: 514 630 4877
Fax: 514 630 4849

PO No: PO038412
PO Date: 11/20/17
Due Date: 12/11/17
**Purchase Order
Revision:**
Revision Date:
Ship-To Contact: Baker, Diane
Phone: dbaker@dartaero.com

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground
Pymt Terms: COD
Freight Terms:
**Special
Comments:**

Items													
Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	647.0114P	-			Clip As per Dwg 647.0100 Rev.A		Firmed	12/11/17 12/21/2017	50 pcs	0 pcs	50 pcs	\$6.00 8.00	\$300.00
2	647.0115P	-			Clip As Per Dwg 647.0100 Rev. A		Firmed	12/11/17 12/21/2017	50 Ea	0 Ea	50 Ea	\$6.00 8.00	\$300.00
<div>REVIEWED By Pedro at 4:16 pm, Nov 20, 2017</div>												Grand Total:	\$600.00

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

A005 RIGHT OF ENTRY
A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
A012 CHEMICAL AND PHYSICAL TEST REPORTS
A016 PERSONNEL QUALIFICATION
A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
A026 CERTIFICATION OF MATERIAL CONFORMANCE
A041 QUALITY MANAGEMENT SYSTEM
A042 DART NOTIFICATION BY SUPPLIER
A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Plex 11/20/17 12:55 PM Dart.baker.diane

APPROVED

By Pedro at 4:17 pm, Nov 20, 2017